



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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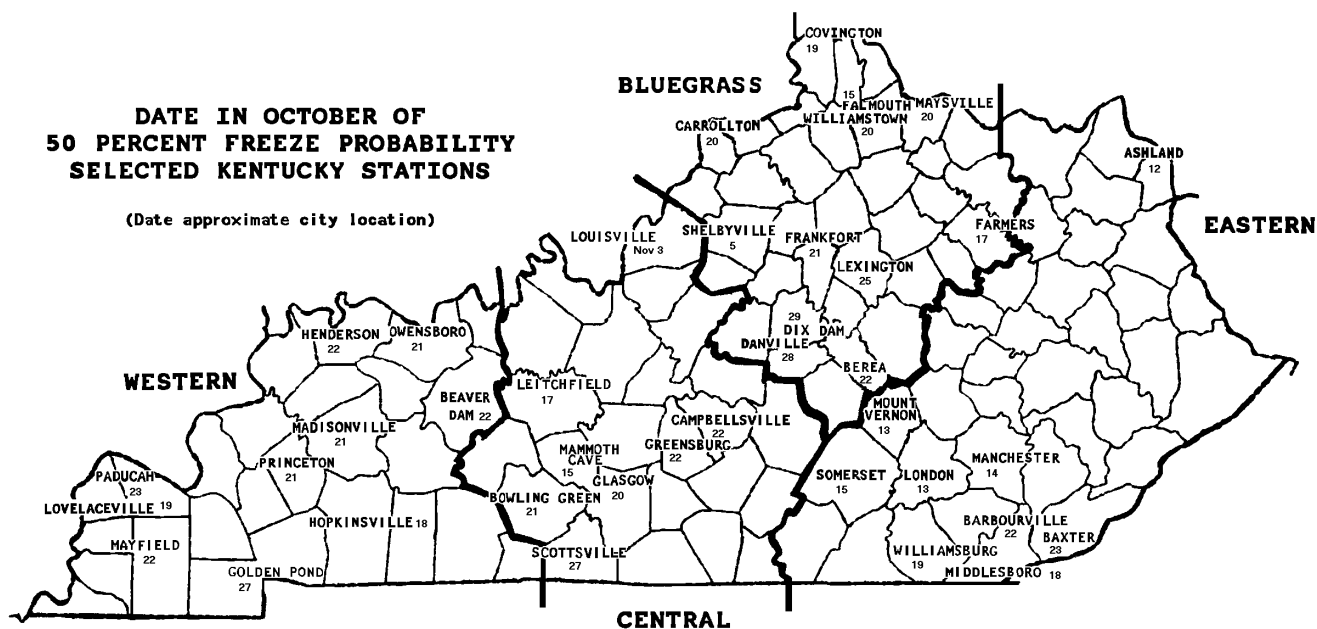
Released weekly April - November

September 12, 2005

## FREEZE PROBABILITIES

**KENTUCKY FREEZE RISK:** As daylight grows shorter, nights grow cooler and crop harvests become more widespread, Agriculturalists begin to think about the probability of an early frost and possible freeze damage to late maturing crops. The hot, dry summer delayed double crop soybean germination and growth and late planted tobacco growth has been stunted due to the dry conditions. The recent widespread rain will aid development but will the two Kentucky crops benefit from another month of frost-free weather?

The freeze probability table on the following page shows earliest freezes usually occur the latter part of September or the first week in October; however, freezing temperatures have been recorded as early as September 9 in the Bluegrass Division. In most of Kentucky the probability rises to a 50 percent chance of 32° or lower temperatures between October 5 and October 29. The freeze data in the table are based on temperatures in a standard U.S. National Weather Service thermometer shelter at a height of approximately 5 feet above the ground and/or in local areas subject to air drainage. These data are based on 1971-2000 data. The freeze probability dates in the map shown below are 30-year averages from 1971 thru 2000.



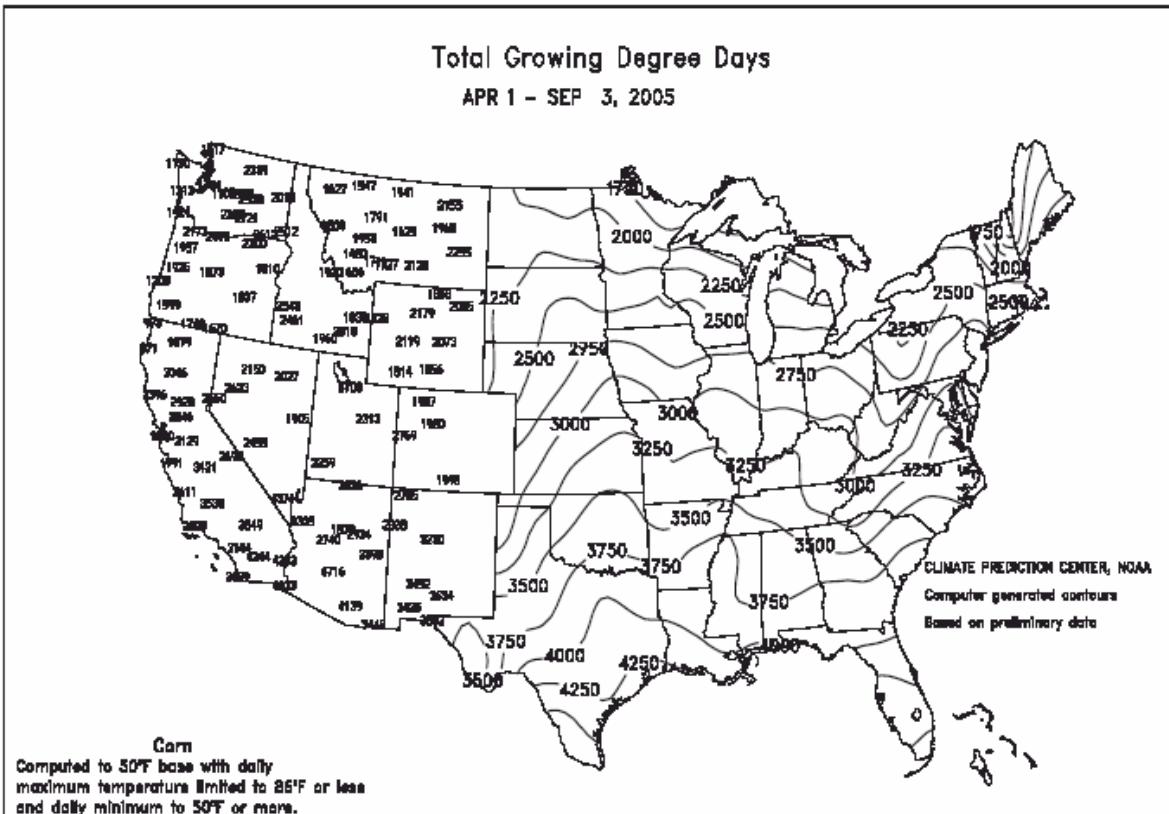
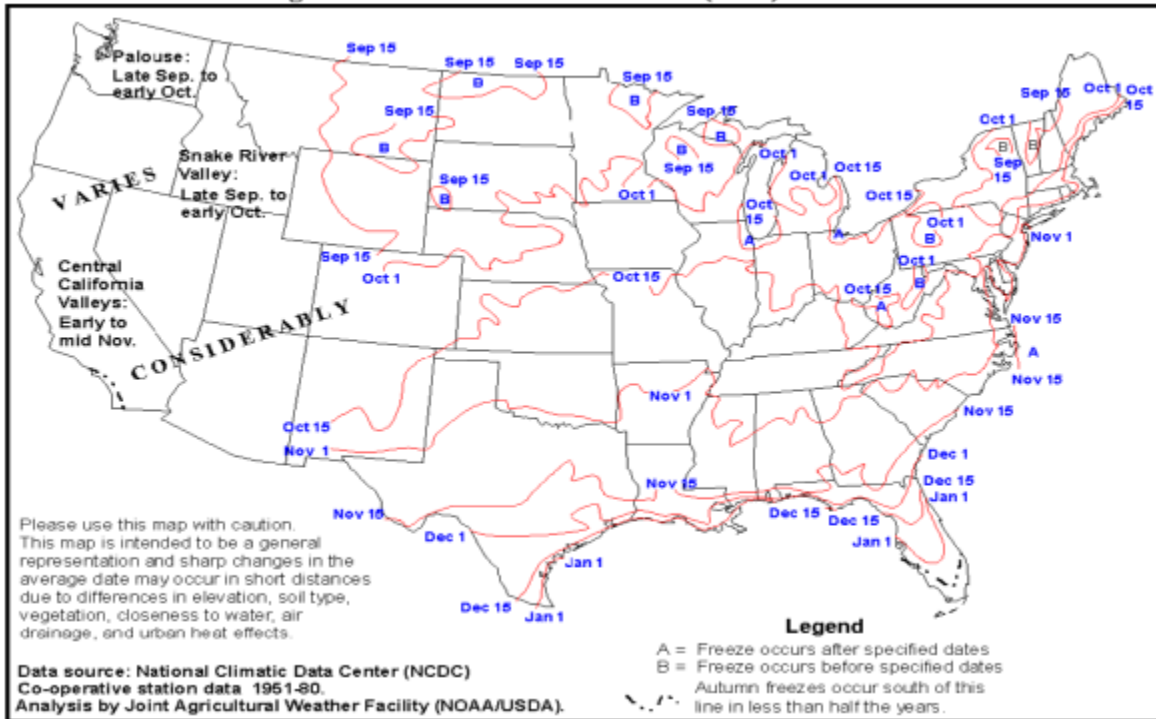
# FALL FREEZE DATE PROBABILITIES <sup>1/</sup>

## First Occurrence

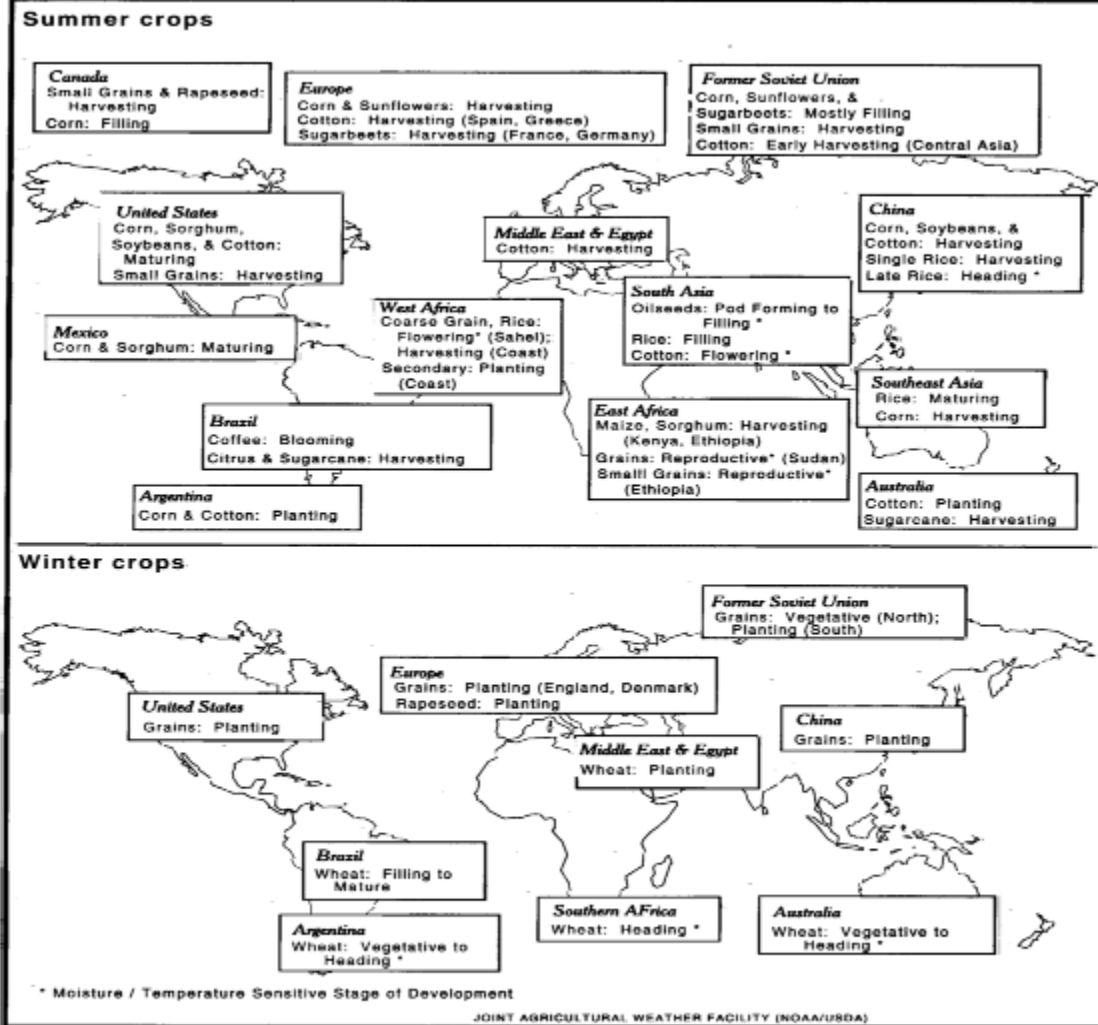
District & Station	Earliest	10%	50%	90%	Latest
<b>WESTERN</b>					
Beaver Dam	Sept. 23	Oct. 4	Oct. 22	Nov. 7	Nov. 12
Golden Pond	Oct. 7	Oct. 15	Oct. 27	Nov. 13	Nov. 17
Henderson	Oct. 3	Oct. 8	Oct. 22	Nov. 13	Nov. 23
Hopkinsville <u>2/</u>	Sept. 21	Oct. 3	Oct. 18	Nov. 7	Nov. 13
Lovelandville	Sept. 22	Oct. 3	Oct. 19	Nov. 4	Nov. 7
Madisonville	Oct. 3	Oct. 5	Oct. 21	Nov. 7	Nov. 12
Mayfield	Oct. 3	Oct. 7	Oct. 22	Nov. 6	Nov. 13
Owensboro <u>2/</u>	Oct. 3	Oct. 5	Oct. 21	Nov. 9	Nov. 13
Paducah	Oct. 3	Oct. 7	Oct. 23	Nov. 12	Nov. 13
Princeton	Oct. 3	Oct. 6	Oct. 21	Nov. 6	Nov. 13
<b>CENTRAL</b>					
Bowling Green	Oct. 3	Oct. 7	Oct. 21	Nov. 8	Nov. 13
Campbellsville <u>2/</u>	Oct. 3	Oct. 5	Oct. 22	Nov. 13	Dec. 2
Glasgow	Oct. 3	Oct. 7	Oct. 20	Nov. 8	Nov. 13
Greensburg	Oct. 3	Oct. 5	Oct. 22	Nov. 5	Nov. 10
Leitchfield	Sept. 30	Oct. 3	Oct. 17	Nov. 6	Nov. 8
Louisville	Oct. 3	Oct. 17	Nov. 3	Nov. 13	Nov. 25
Mammoth Cave	Sept. 24	Oct. 3	Oct. 15	Oct. 26	Nov. 8
Scottsville	Oct. 7	Oct. 12	Oct. 27	Nov. 14	Nov. 23
<b>BLUEGRASS</b>					
Berea College	Sept. 24	Oct. 7	Oct. 22	Nov. 13	Nov. 21
Carrollton	Oct. 3	Oct. 8	Oct. 20	Nov. 4	Nov. 8
Covington	Sept. 30	Oct. 4	Oct. 19	Oct. 31	Nov. 8
Danville	Oct. 3	Oct. 17	Oct. 28	Nov. 12	Nov. 20
Dix Dam	Oct. 3	Oct. 11	Oct. 29	Nov. 14	Nov. 21
Falmouth <u>2/</u>	Sept. 9	Sept. 24	Oct. 15	Nov. 4	Nov. 7
Farmers	Sept. 24	Oct. 2	Oct. 17	Nov. 4	Nov. 8
Frankfort	Oct. 3	Oct. 4	Oct. 21	Nov. 5	Nov. 13
Lexington	Oct. 2	Oct. 8	Oct. 25	Nov. 9	Nov. 13
Maysville	Oct. 3	Oct. 4	Oct. 20	Nov. 5	Nov. 8
Shelbyville	Sept. 20	Sept. 23	Oct. 5	Oct. 29	Nov. 19
Williamstown	Sept. 30	Oct. 4	Oct. 20	Nov. 5	Nov. 10
<b>EASTERN</b>					
Ashland	Sept. 23	Sept. 27	Oct. 12	Nov. 3	Jan. 1
Barbourville	Oct. 3	Oct. 9	Oct. 22	Nov. 5	Nov. 13
Baxter	Oct. 3	Oct. 9	Oct. 23	Nov. 6	Nov. 13
London	Sept. 23	Oct. 3	Oct. 13	Nov. 3	Nov. 13
Manchester	Sept. 23	Sept. 27	Oct. 14	Nov. 4	Nov. 7
Middlesboro <u>2/</u>	Oct. 3	Oct. 4	Oct. 18	Nov. 6	Nov. 14
Mount Vernon	Oct. 2	Oct. 3	Oct. 13	Oct. 27	Nov. 4
Somerset	Sept. 27	Oct. 3	Oct. 15	Oct. 29	Nov. 5
Williamsburg	Sept. 30	Oct. 5	Oct. 19	Nov. 7	Nov. 13

<sup>1/</sup>Data are normals from the 1971 – 2000 period with the average date of the last temperatures of 32 degrees or lower being shown in the 50 percent column. All freeze data are based on temperatures at approximately 5 feet above ground and in a representative exposure. Information provided by University of Kentucky Agricultural Weather Center. 2/Station had missing data and was estimated from surrounding stations.

## United States: Average dates of first autumn freeze (32 F)



## September normal crop calendar



This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.